

ABSTRACT

A punching apparatus is provided which can of punch a
 5 non-circular holes at a predetermined position of a work piece. In the
 punching apparatus for punching a hole by means of a punch integrated
 into any one of the moving part of a press working machine or the
 supporting part of the press working machine, and a die integrated with
 the other one of the moving part and the supporting part; each of the punch
 10 and the die has plurality of planes to be fitted with datum planes of a
 fitting jig. The punching unit for the punching apparatus comprises a
 punch, a die, and a fitting jig for positioning the punch and the die with
 respect to each other, wherein each of the punch and the die has plurality
 of faces for fitting and the fitting jig has datum planes to be fitted with the
 15 planes for fitting of the punch and the die.